

Title (en)

CIRCUIT ARRANGEMENT FOR CONTROLLING AN OSCILLATING ELECTRIC MOTOR

Title (de)

SCHALTUNGSANORDNUNG ZUR ANSTEUERUNG EINES OSZILLIERENDEN ELEKTROMOTORS

Title (fr)

CIRCUIT DESTINE A LA COMMANDE D'UN MOTEUR ELECTRIQUE OSCILLANT

Publication

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Application

**EP 03807827 A 20030929**

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Abstract (en)

[origin: WO2004034561A1] The invention relates to a circuit arrangement for controlling an oscillating electric motor (1) of an electric small-scale unit which is operated by means of a voltage source (4) embodied as an accumulator or a battery. Said circuit arrangement comprises four switching elements (7, 8, 9, 10) which respectively authorise a current conduction, in a switched on state, and block the current conduction in a switched off state. Said switching elements (7, 8, 9, 10) are arranged in a full bridge circuit, according to which each switching element (7, 8, 9, 10) is connected between a first pole (5) of the voltage source (4) and a first connection (2) of the electric motor (1), between the first pole (5) of the voltage source (4) and a second connection (3) of the electric motor (1), between a second pole (6) of the voltage source (4) and the first connection (2) of the electric motor (1), and between the second pole (6) of the voltage source (4) and the second connection (3) of the electric motor (1). IN the switched on state, at least two of the switching elements (7, 8, 9, 10) authorise a current conduction for both current directions.

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